



## ML240 SERIES

### Simplicity and Agility Just One Step Away

TSC ML240 Series is a brand new generation of industrial barcode label printers. The light industrial ML240 Series features ease of use, intuitive color GUI display, noise-reduced printing, and self-diagnostic TPH Care. The ML240 Series has a durable and flexible design and does not require special tools for performing common service and maintenance.

Its compact footprint is perfect for crowded work environments. The ML240 Series is designed for durability while producing high quality printed labels. With its enhanced design and printing algorithm, the noise level from printing operation is dramatically reduced. The adjustable thermal printhead and self-diagnostic TPH Care mechanism ensure optimal print quality regardless of the application or label design.

#### KEY FEATURES



##### Streamlined and Small Footprint Design

- Brand new compact design
- Small footprint fits easily into more spaces and fits in limited operation areas



##### Robust and Agile Design for Optimal Quality

- The combination of rugged die-cast, modularized base and adjustable TPH module design structure optimizes print quality



##### Noise-Reduction Printing Engineering

- Its enhanced design and printing algorithm feature results in a quieter and smoother printing operation



##### Self-Diagnostic TPH Care Mechanism

- An advanced mechanism allows for real-time printhead health status to ensure stable and high quality printouts for maximum cost-effectiveness



##### Effortless User Operation with Color Display

- Wide open angle for easy media handling
- Ease of use 2.3" color GUI display and intuitive indicator



##### One Step Maintenance

- Tool-less removal and replacement of the printhead and platen roller saves time

#### APPLICATIONS



##### Manufacturing

- Work In Process
- Product Marking
- Compliance Labeling



##### Warehouse & Logistics

- Packing
- Order Fulfillment
- Shipping/Receiving
- Inventory Management



##### Healthcare

- Blood Test Tube Label
- Patient Wristband Label



##### Retail

- Product Label
- Event Ticketing

# ML240 SERIES – Industrial Thermal Transfer Bar Code Printer

PRINTER MODEL	ML240	ML340	ML240P	ML340P
Resolution	8 dots/mm (203 DPI)	12 dots/mm (300 DPI)	8 dots/mm (203 DPI)	12 dots/mm (300 DPI)
Printing method	Thermal Transfer & Direct Thermal			
Max. print speed	152 mm (6")/second	127 mm (5")/second	152 mm (6")/second	127 mm (5")/second
Max. print width	108 mm (4.25")	105.7mm(4.16")	108 mm (4.25")	105.7mm(4.16")
Max. print length	2,794 mm (110")	1,016 mm (40")	2,794 mm (110")	1,016 mm (40")
Enclosure	Die-cast print mechanism/Metal cover with large media window			
Physical dimension	248 mm (W) x 245 mm (H) x 330 mm (D) 9.76" (W) x 9.65" (H) x 12.99" (D)			
Weight	7.4 kg (16.31 lbs)		7.6 kg (16.76 lbs)	
Label roll capacity	139.7mm (5.5") O.D., 1" or 1.5" I.D core			
Ribbon	450 m long, max. O.D. 81.3 mm, 1" core (ink coated outside or inside)			
Ribbon width	40 mm ~ 110 mm (1.6" ~ 4.3")			
Processor	32-bit RISC CPU			
Memory	<ul style="list-style-type: none"> <li>• 8 MB Flash memory</li> <li>• 16 MB SDRAM</li> </ul>		<ul style="list-style-type: none"> <li>• 128 MB Flash memory</li> <li>• 64 MB SDRAM</li> </ul>	
Interface	<ul style="list-style-type: none"> <li>• USB 2.0</li> <li>• Internal Bluetooth 4.2 (dealer option)</li> </ul>		<ul style="list-style-type: none"> <li>• RS-232</li> <li>• USB 2.0</li> <li>• Internal Ethernet, 10/100 Mbps</li> <li>• USB host, for scanner or PC keyboard</li> <li>• Internal Bluetooth 4.2 (dealer option)</li> <li>• Slot-in 802.11 a/b/g/n wireless (dealer option)*</li> </ul>	
Power	Internal universal switching power supply <ul style="list-style-type: none"> <li>• Input: AC 100-240V, 1.5A, 50-60Hz</li> <li>• Output: DC 24V, 2.5A, 60W</li> </ul>			
Display	<ul style="list-style-type: none"> <li>• 1 status indicator</li> </ul>		<ul style="list-style-type: none"> <li>• 2.3" color LCD</li> <li>• 1 status indicator</li> </ul>	
Operation switch, button	<ul style="list-style-type: none"> <li>• 2 buttons (Pause, Feed)</li> </ul>		<ul style="list-style-type: none"> <li>• 6 buttons (Menu, Pause/Feed, Up, Down, Left, Right)</li> </ul>	
Sensors	<ul style="list-style-type: none"> <li>• Gap transmissive sensor (position adjustable)</li> <li>• Black mark reflective sensor (position adjustable)</li> <li>• Ribbon end sensor</li> <li>• Head open sensor</li> </ul>			
Real time dock	N/A		Standard	
Internal fonts	<ul style="list-style-type: none"> <li>• 8 alpha-numeric bitmap fonts</li> <li>• Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> </ul>			
Bar code	<ul style="list-style-type: none"> <li>• 1D bar code Code 11, Code 39, Code 49, Code 93, Code128UC, Code128 subsets A, B, C, Codabar, Standard 2 of 5, Industrial 2 of 5, Interleave 2 of 5, EAN-8, EAN-13, EAN-14, EAN-128, ITF14, UPC-A, UPC-E, EAN and UPC 2/5) digits add-on, MSI, PLESSEY, PLANET, POSTNET, RSS-Stacked, GSI DataBar, China Post, Telepen, LOGMARS</li> <li>• 2D bar code PDF-417, Micro PDF 417, Maxicode, DataMatrix, QR code, Aztec, TLC 39, RSS</li> </ul>			
Font and barcode rotation	0, 90, 180, 270 degree			
Printer language	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)			
Media type	Continuous, die-cut, black mark, fan-fold, notched (outside wound)			
Media width	20 ~ 118 mm (0.8" ~ 4.7")			
Media thickness	20 ~ 114.3 (0.79" ~ 4.5") for peel or cutter mode			
Media core diameter	0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)			
Media core diameter	25.4 mm or 38.1 mm (1" or 1.5")			
Label length	5 ~ 2,794 mm (0.2" ~ 110")	5 ~ 1,016 mm (0.2" ~ 40")	5 ~ 2,794 mm (0.2" ~ 110")	5 ~ 1,016 mm (0.2" ~ 40")
Environment condition	Operation: 5 ~ 40°C, 25 ~ 85% non-condensing Storage: -40 ~ 60°C, 10 ~ 90% non-condensing			
Safety regulation	FCC Class A, CE Class A, RCM Class A, eTUVus, TÜV/safety, CCC, BIS, KC, BSMI, EAC, ENERGY STAR®			
Environmental concern	Comply with RoHS, REACH, WEEE			
Accessories	<ul style="list-style-type: none"> <li>• Windows labeling software CD disk</li> <li>• Quick start guide</li> <li>• USB cable</li> <li>• Power cord</li> </ul>			
Limited warranty	<ul style="list-style-type: none"> <li>• Printer: 2 years</li> <li>• Print head: 25 km (1 million inches) or 12 months which comes first</li> <li>• Platen: 50 km (2 million inches) or 12 months which comes first</li> </ul>			
Dealer options	<ul style="list-style-type: none"> <li>• Internal Bluetooth 4.2</li> </ul>		<ul style="list-style-type: none"> <li>• Peel-off kit</li> <li>• Regular guillotine cutter (full cut)</li> <li>• Internal Bluetooth 4.2</li> <li>• 802.11 a/b/g/n wireless module (for device without slot-in housing)*</li> </ul>	
User options	N/A		<ul style="list-style-type: none"> <li>• KP-200 Plus keyboard display unit</li> <li>• 802.11 a/b/g/n wireless module (for device with slot-in housing)*</li> </ul>	

Note: \*Either Wireless or Bluetooth interface is available.



## CORPORATE HEADQUARTERS

**TSC Auto ID Technology Co., Ltd.**  
 Tel: +886 2 2218 6789  
 E-mail: apac\_sales@tscprinters.com

## LI ZE PLANT

**TSC Auto ID Technology Co., Ltd.**  
 Tel: +886 3 990 6677  
 E-mail: apac\_sales@tscprinters.com

## AMERICAS

**TSC Auto ID Technology America Inc.**  
 Tel: +1 657 258 0808  
 E-mail: americas\_sales@tscprinters.com

## MEXICO

**TSC Mexico Representative Office**  
 Tel: +1 52 (33) 3673 1406  
 E-mail: americas\_sales@tscprinters.com

## BRAZIL

**TSC Brazil Representative Office**  
 Tel: +55 (11) 3554 7225  
 E-mail: americas\_sales@tscprinters.com

## EMEA

**TSC Auto ID Technology EMEA GmbH**  
 Tel: +49 (0) 8106 37979 000  
 E-mail: emea\_sales@tscprinters.com

## RUSSIA

**TSC Auto ID Technology EMEA GmbH**  
 Tel: +7 495 249 9017  
 E-mail: emea\_sales@tscprinters.com

## MIDDLE EAST

**TSC Auto ID Technology ME Ltd, FZE**  
 Tel: +971 4 2533 069  
 E-mail: emea\_sales@tscprinters.com

## ASIA PACIFIC

**TSC Auto ID Technology Co., Ltd.**  
 Tel: +886 2 2218 6789  
 E-mail: apac\_sales@tscprinters.com

## INDIA

**TSC India Distributor's Office**  
 Tel: +91 2267 082 465  
 E-mail: apac\_sales@tscprinters.com

## CHINA

**Tianjin TSC Auto ID Technology Co., Ltd.**  
 Tel: +86 22 5981 6661  
 E-mail: apac\_sales@tscprinters.com

## KOREA

**TSC Korea Representative Office**  
 Tel: +82 2 852 3322  
 E-mail: apac\_sales@tscprinters.com



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